

### **ABSTRACT OF THE DISCLOSURE**

An optical pick-up allows a lens to be supported at high dimensional accuracy for a high-density recording medium, and suppresses resonance for a high-speed access. The optical pick-up includes a supporting shaft, and a lens holder which fits on a supporting shaft rotatably, wherein the supporting shaft is formed of ceramics containing zirconia, and wherein the lens holder is formed of a liquid crystal resin composition. The optical-pickup includes a lens holder having a shaft hole which fits on a rotating shaft and a plurality of object lens holes, wherein the lens holder is a molded product of a resin composition of a liquid crystal resin or a polyphenylene ether resin mixed with a fibrous filler. The molded product has flexural elastic modulus of 10 GPa or more. The lens holder includes a bearing part formed vertically to a lens receiving surface with an excellent inner diameter roundness and excellent mechanical strength.